BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA DIVISION

Job Code :

Contractor- M/S Benaka Developers and Projects Pvt Ltd

Name of Work: 1.Improvements to roads Drains and other Developmental Works in Maruthinagara Ward No 01 Under SWM Head in Chief Nava Nagarottana Grant of Yelahanka Division Package - 05.

Modified Schedule - B

BOQ NO	Description of item	Unit	Qty	Rate Quoted by M/S Benaka Developers and Projects Pvt Ltd	
				In Figures	In Words
1	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301 (I No-19.14,P No-143)	cum	4142.52		
	Up to 125%	cum	3565.89	131.87	Rupees One Hundred Thirty One and Paise Eighty Seven Only
	Above 125%	cum	576.63	131.87	Rupees One Hundred Thirty One and Paise Eighty Seven Only
2	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No.3.6	cum	5017.15	419.02	Rupees Four Hundred Nineteen and Paise Two Only
3	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301 KBS Page No.144 It No.19.2	cum	476.40	37.84	Rupees Thirty Seven and Paise Eighty Four Only
4	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No.13 It No.4.7	cum	671.50	5908.92	Rupees Five Thousand Nine Hundred Eight and Paise Ninety Two Only
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well competed for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.270, I.No.37.59.1	cum	1388.72	7637.41	Rupees Seven Thousand Six Hundred Thirty Seven and Paise Forty One Only
6	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.Specification for TMT bars Fe 500(Page No-229. INo.28.8.2 2018-19)	Tonne	84.86	75943.33	Rupees Seventy Five Thousand Nine Hundred Forty Three and Paise Thirty Three Only

BOQ NO	Description of item	Unit	Qty	Rate Quoted by M/S Benaka Developers and Projects Pvt Ltd	
				In Figures	In Words
7	Removing and Refixing of stone slabs of drains and poiting in CM(1:3) Page No.27 It No.5.33	sqm	3672.30		
	Up to 125%	sqm	2503.13	116.87	Rupees One Hundred Sixteen and Paise Eighty Seven Only
	Above 125%	sqm	1169.17	116.87	Rupees One Hundred Sixteen and Paise Eighty Six Only
8	Providing and fixing precast cover slab made out of CC 1:2:4 with 10cm finishing cutting including form work,cost of all materials,labour hire charges of chinery loading and unloading lead and lift transportation etc, complete (Data rate)	sqm	5374.71	2453.85	Rupees Two Thousand Four Hundred Fifty Three and Paise Eighty Five Only
9	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	sqm	204.72	5688.90	Rupees Five Thousand Six Hundred Eighty Eight and Paise Ninety Only
10	Removing and resetting of kerb stones Page No.270 It No.37.57	Mtr	1439.00	110.19	Rupees One Hundred Ten and Paise Nineteen Only
11	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete as per specifications	No's	13513.00	454.10	Rupees Four Hundred Fifty Four and Paise Ten Only
12	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8)	sqm	2170.35	89.04	Rupees Eighty Nine and Paise Four Only
13	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 of MORTH V Revision and IS 456 Table-5 22.1.1-do-with OPC at 150kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using concrete batch mix plant at 75 Cum/hr capacity with slip farm layer with electronic sensor.	cum	1115.17	3990.11	Rupees Three Thousand Nine Hundred Ninety and Paise Eleven Only

BOQ NO	Description of item	Unit	Qty	Rate Quoted by M/S Benaka Developers and Projects Pvt Ltd	
				In Figures	In Words
14	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46um,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate	cum	1115.17	5471.51	Rupees Five Thousand Four Hundred Seventy One and Paise Fifty One Only
15	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.6,P No-153)	cum	1160.98	1947.75	Rupees One Thousand Nine Hundred Forty Seven and Paise Seventy Five Only
16	KSRRB M400-17. Providing, laying,spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired surface and compacting with vibratory roller to achive the desired density complete as per specifications.MORTH Specification No.406 (I No-20.18,P No-155)	cum	2035.98		
	Up to 125%	cum	936.36	2101.34	Rupees Two Thousand One Hundred One and Paise Thirty Four Only
	Above 125%	cum	1099.62	2101.34	Rupees Two Thousand One Hundred One and Paise Thirty Four Only
17	KSRRB M500-6.Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision .Item No.- 21.6 ,Page No.158	sqm	8852.10		
	Up to 125%	sqm	6241.89	35.62	Rupees Thirty Five and Paise Sixty Two Only
	Above 125%	sqm	2610.21	27.83	Rupees Twenty Seven and Paise Eighty Two Only
18	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 page No.158 It No.21.2	sqm	18993.40	5.57	Rupees Five and Paise Fifty Seven Only

BOQ NO	Description of item	Unit	Qty	Rate Quoted by M/S Benaka Developers and Projects Pvt Ltd	
				In Figures	In Words
19	KSRRB 500-17 Provding and laying dense geaded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision 21.17.6 do- using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen ,(Item No-21.17.2 , Page No-160)	cum	1392.28		
	Up to 125%	cum	496.33	8001.36	Rupees Eight Thousand One and Paise Thirty Six Only
	Above 125%	cum	895.95	6213.88	Rupees Six Thousand Two Hundred Thirteen and Paise Eighty Eight Only
20	KSRRB M500-6.Providing and applying Tack coat using 80/100 bitumen(VG 10) on prepared black topped surface at 2.5 kg per 10 sqm,heating bituman in boiler fitted with spray set (excluding cleaning of road surface)including cost of materials,labour, HOM complete as per specifications. Clause 503 of MORTH V revision .Item No.-21.7 ,Page No.158	sqm	55691.00		
	Up to 125%	sqm	27820.00	13.36	Rupees Thirteen and Paise Thirty Six Only
	Above 125%	sqm	27871.00	13.36	Rupees Thirteen and Paise Thirty Six Only
21	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laing with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. ,using 40-60 TPH capacity HMP with mechanical paver II(30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bituminous (60/70grade) and 0.43% of plastomeric thermoplastics (Waste plastic)Pg No-171.It No.21.78.12	cum	1113.82		
	Up to 125%	cum	1112.80	9134.39	Rupees Nine Thousand One Hundred Thirty Four and Paise Thirty Nine Only
	Above 125%	cum	1.02	7099.83	Rupees Seven Thousand Ninety Nine and Paise Eighty Three Only
22	Providing and fixing of Retro-Reflectorised cautionary, mandatory and informatory signs as per IRC:67 made of high intensity grade sheeting vide Clause 8001.3, fixed over aluminium sheeting,1.5mm thick supported on a milld steel angle iron post 75x75x6mm firmly fixed to the ground by means of properly disigned foundation with M15 Grade cement concrete 45cm x 45cm x 60cm, 60cm below ground level as per approved drawing Page No.180. It No.24.2.	No's	0.00	144.69	Rupees One Hundred Forty Four and Paise Sixty Nine Only
23	KSRRB M800-5.2. Over head Signs:Supply and installation of Retro-Reflecton overhead gantry signs boards made out of cube corner IRC:67:2012 specification and fixed over 4mm thick aluminium composite panel sheet having minimum 0.3mm thick aluminum skin on both sides excluding the cost of support frame , vertical support and horizontal support and foundation as directed by the engineer incharge of the work Page No.181It No.24.6.	sqm	11.10	10601.33	Rupees Ten Thousand Six Hundred One and Paise Thirty Three Only

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				In Figures	In Words
24	KSRRB M800-4. Direction and Place Identification Signs / Project information board with size more than 0.9 sqm Size Board:-MProviding and erecting direction and place identification of retro- reflectorised signs as per IRC:67 made of high intensity grade sheeting vide Clause 8001.3, fixed over aluminium sheeting,1.5mm thick supported on a milld steel angle iron post 75x75x6mm firmly fixed to the ground by means of properly disigned foundation with M15 Grade cement concrete 45cm x 45cm x 60cm, 60cm below ground level as per approved drawing Page No.180. It No.24.4	sqm	12.00	7945.71	Rupees Seven Thousand Nine Hundred Forty Five and Paise Seventy One Only
25	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page No.182.It No.24.15	sqm	982.75	477.48	Rupees Four Hundred Seventy Seven and Paise Forty Eight Only
26	For rainwater harvesting work including 40mm jelly, 20mm jelly coarse sand,fine sand ,12.50mm chips as per data rates	No's	14.00	21926.10	Rupees Twenty One Thousand Nine Hundred Twenty Six and Paise Ten Only
27	KSRRB M300-Construction of Subgrade and Earthen Shoulders. KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305 page No.147 It No.19.62 SR 2018-19	cum	0.00	388.44	Rupees Three Hundred Eighty Eight and Paise Forty Four Only
28	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction (P.47, I. 9.4) PRED.SR 2012 13	Each	5.00	2168.25	Rupees Two Thousand One Hundred Sixty Eight and Paise Twenty Five Only
29	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,)Page no. 46 / I. 9.1 PRED SR 2012-13- (0-50m)	Mtr	250.00	331.59	Rupees Three Hundred Thirty One and Paise Fifty Nine Only
	50.00 to 100.00 Mtr	Mtr	250.00	433.23	Rupees Four Hundred Thirty Three and Paise Twenty Three Only
	100.00 to 150.00 Mtr	Mtr	250.00	481.27	Rupees Four Hundred Eighty One and Paise Twenty Seven Only

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				In Figures	In Words
	150.00 to 200.00 Mtr	Mtr	250.00	508.31	Rupees Five Hundred Eight and Paise Thirty One Only
	200.00 to 250.00 Mtr	Mtr	250.00	588.34	Rupees Five Hundred Eighty Eight and Paise Thirty Four Only
	250.00 to 300.00 Mtr	Mtr	250.00	630.51	Rupees Six Hundred Thirty and Paise Fifty One Only
	300.00 to 350.00 Mtr	Mtr	233.00	653.10	Rupees Six Hundred Fifty Three and Paise Ten Only
30	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) SE PRED III NO 84, PRED 12-13 SR)	Rmt	241.00	1391.25	Rupees One Thousand Three Hundred Ninety One and Paise Twenty Five Only
31	Providing and fixing 250mm dia PVC Pipe and as per specifications and directions(BWSSB SR 16-17 PNO 57 SL NO 11)	Rmt	30.00	1155.00	Rupees One Thousand One Hundred Fifty Five Only
32	175mm dia M.S Casing Cap (P.No.iii. It No-85,PRED 12-13 SR)	Each	5.00	105.00	Rupees One Hundred Five Only
33	Supply of 175mm dia M.S Collors Each (P.No.iii. It No-86,PRED 12-13 SR)	Each	35.00	157.50	Rupees One Hundred Fifty Seven and Paise Fifty Only
34	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings . 15HP/11KW 25 Stage (PAGE NO XLII It No.41, PWD SR 2018-19)	No's	4.00	67186.25	Rupees Sixty Seven Thousand One Hundred Eighty Six and Paise Twenty Five Only
35	Providing, laying and jointing GI pipes confirming to IS specification of approved makes with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead and threads for the joints wherever necessary as per direction including all lead and lift etc., coplete'A' grade(excluding cost of fittings) 50mm dia GI pipe(PWD SR 2018-19, Page No.92 It No.13.6)	Rmt	1205.00	569.86	Rupees Five Hundred Sixty Nine and Paise Eighty Six Only
36	Supply of 50mm MS collars	Each	202.00	222.60	Rupees Two Hundred Twenty Two and Paise Sixty Only
37	Supplying and drawing 3 core PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts 4 sqmm of 56 strands 0.3mm dia.(P No.536 It No.30 (c) GROUP-A. BWSSB 13-14 SR)	Rmt	2570.00	172.50	Rupees One Hundred Seventy Two and Paise Fifty Only

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38	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset above 6.5HP to 15 HP Star Delta Starter (MR)	No's	4.00	15540.00	Rupees Fifteen Thousand Five Hundred Forty Only
39	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete box of 21600 sq cm (Pg No.530, It No.39 b, BWSSB SR 13-14)	sqm	88000.00	0.36	Rupees and Paise Thirty Six Only
40	Providing and fixing of clamps set and borewell cap to the pump(MR)	No's	4.00	1890.00	Rupees One Thousand Eight Hundred Ninety Only
41	Supply and delivery at site brand New best make non return valve of size 50mm as per IS:778/84 with latest amendments with ISI mark (50mm Gate wheel valve. PWD SR 2018-19, Pg No. XXV, Sl No.647)	No's	4.00	1067.80	Rupees One Thousand Sixty Seven and Paise Eighty Only
42	Supply and delivery at site brand New best make non return valve of size 50mm as per IS:778/84 with latest amendments with ISI mark 50mm Gate valve for distributer pipeline 50mm dia.. PWD SR 2018-19, Pg No. XXVI, Sl No.661)	No's	8.00	1556.32	Rupees One Thousand Five Hundred Fifty Six and Paise Thirty Two Only
43	Providing and fixing of 50mm GI shortbend to motor (PWD SR-2018-19,P.No XXXIX, GI pipe fittins-ISI Standards Table)	No's	9.00	243.75	Rupees Two Hundred Forty Three and Paise Seventy Five Only
44	Providing and fixing of 50mm GI union to the motor (PWD SR-2018-19,P.No XXXIX, GI pipe fittins-ISI Standards Table)	No's	9.00	248.98	Rupees Two Hundred Forty Eight and Paise Ninety Eight Only
45	Supplying and fixing of 50mm GI Elbow PWD SR 18-19 XXXIX	No's	4.00	117.39	Rupees One Hundred Seventeen and Paise Thirty Nine Only
46	Labour charges for erection of new/repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and releasedpump set should be handled over to department) including transportation(each length =6.00m)(P.No.564, It No.3 BWSSB SR 13-14)	L	200.00	95.17	Rupees Ninety Five and Paise Seventeen Only
47	Erection of combined panel board meer board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc., complete basement outdoor type (MR)	No's	4.00	498.75	Rupees Four Hundred Ninety Eight and Paise Seventy Five Only
48	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P No. 526 / I No.13D (a) BWSSB SR 2013-14)	No's	4.00	951.72	Rupees Nine Hundred Fifty One and Paise Seventy Two Only
49	Supplying and laying of L.T.U.G cable hsving aluminium conductor PVC insulated shethed galvanized steel wire/steel tape armoured cable with PVC outer sheathing 1. KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.No.553, It No.10 (d), BWSSB SR 13-14)	Mtr	140.00	178.45	Rupees One Hundred Seventy Eight and Paise Forty Five Only

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50	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete sutting road surfaces (P No. 554 / I. No.12 (b) BWSSB SR 13-14)	Mtr	140.00	59.48	Rupees Fifty Nine and Paise Forty Eight Only
51	Supplying and fixing of class-A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm (P. No.555 / I No -15(b) BWSSB SR 13-14)	Mtr	12.00	261.72	Rupees Two Hundred Sixty One and Paise Seventy Two Only
52	Supplying, fixing, wiring, earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (P No.552, I No. 7 BWSSB SR 13-14)	No's	4.00	1784.48	Rupees One Thousand Seven Hundred Eighty Four and Paise Forty Eight Only
53	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class 16sqmm UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., (P No.555, I No.16(b) BWSSB SR 13-14)	No's	4.00	285.52	Rupees Two Hundred Eighty Five and Paise Fifty Two Only
54	Supplying shunt capacitors confirming to IS 2834, 3 phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's(MR)	No's	4.00	1414.50	Rupees One Thousand Four Hundred Fourteen and Paise Fifty Only
55	Providing and fixing gun metal wheel valve confirming to IS specifications of approved make as per direction including all lead and lift etc., Complete 50mm dia (P No.94, I No. 13.79.6 BWSSB SR 18-19)	No's	4.00	816.94	Rupees Eight Hundred Sixteen and Paise Ninety Four Only
56	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc. size 20"x20"x2.5",(P No.521, I No. 2 BWSSB SR 13-14)	No's	4.00	327.16	Rupees Three Hundred Twenty Seven and Paise Sixteen Only
57	Erection of pumping machineries PRE SR 12-13 P.No.51/10.3.20	No's	4.00	945.00	Rupees Nine Hundred Forty Five Only
58	Bescom Deposit charges	L/S	4.00	13965.00	Rupees Thirteen Thousand Nine Hundred Sixty Five Only
59	Borewell registration charges per Rs.1000 each for BWSSB	No's	4.00	1050.00	Rupees One Thousand Fifty Only
60	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications No.KBS 2.1(b)/ 2.3.5 (page No.5, It No.2.4 PW,P& IWTD SR 2018-19)	cum	172.80	332.79	Rupees Three Hundred Thirty Two and Paise Seventy Nine Only
61	KSRRB 13-9: Providing and fixing to wall ceiling and floor high density polyethylene pipes 6.00kgf/sqm.cm working pressure of outside diameter raising mains and exposed distribution pipes with special flange,compression types fitting, wall clips,making good the wall ,ceiling and floor, including cost of materials,labour charges HOM and testing complete as per Specifications.Specification No.KBS 13.2.15.2/13.9, KSRB 13-9.4: do-63mm dia(P No.94, It No.13.73.2)	Rmt	629.00	414.04	Rupees Four Hundred Fourteen and Paise Four Only

BOQ NO	Description of item	Unit	Qty	Rate Quoted by M/S Benaka Developers and Projects Pvt Ltd	
				In Figures	In Words
62	KSRRB M 400- Wet Mix Macadam KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406	cum	56.61	2101.34	Rupees Two Thousand One Hundred One and Paise Thirty Four Only
63	Filling available excavated earth around pipelines cable in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications Specification .(Page No.6, Item No. 2.10)PW, P& IWTD SR 2018-19)	cum	172.80	223.71	Rupees Two Hundred Twenty Three and Paise Seventy One Only

For Benaka Developers And Projects Pvt. Ltd.

NARAHARI. D
Managing Director
Signature of Contractor

Executive Engineer
Yelahanka Division
B.B.M.P